**Standards addressed**

BIOLOGY STANDARDS

As a result of the coordinated structures and functions of organ systems, the internal environment of the human body remains relatively stable (homeostatic) despite changes in the outside environment. As a basis for understanding this concept:

a. Students know how the complementary activity of major body systems provides cells with oxygen and nutrients and removes toxic waste products such as carbon dioxide.

b. Students know how the nervous system mediates communication between different parts of the body and the body’s interactions with the environment.

d. Students know the functions of the nervous system and the role of neurons in transmitting electrochemical impulses.

e. Students know the roles of sensory neurons, interneurons, and motor neurons in sensation, thought, and response.